Approved For Release 2003/11/21 : C		503		
CLASSIFICATION CENTRAL INTELLIGENCE INFORMATION F		25X1		
COUNTRY East Germany EMBJECT Production of "Parlanat" of Arzneim Tresden 25X1 PLACE ACQUIRED DATE OF UNFO	DATE DISTR. NO. OF PAGES NO. OF ENCLS. CLISTED BELOW SUPPLEMENT REPORT NO.			
THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE WAITED STATES. WITHIN THE MEANING OF THE 18. SECTIONS TOS AND 756 OT THE 4. OCOR. AS ABBRINGHO IT REASONINGSIO OF REVEL ATION OF 18 COVERED TO OR SECURIOR BY AN UNAUTHORIZED PERSON IN PROPERTIES BY LAW THE REPRODUCTION OF THIS FORM IS PROMISSING.	THIS IS UNEVALUATED INFORM	 IATION		
25X1; "Parlanat AND", which contains glycosides A, B, and C of Digitalis Lanata, is a preparation marketed by VEB Arrheimittelwerk-Dresden. It is supplied in 30-tablet vials, containing 0.1 mg. of total glycosides per tablet. Each vial mosts 1.50 DK (East). Packages containing up to 500 tablets are supplied to institutions upon request.				
	The procedure employed in the production of "Panlanzt" was developed by the research laboratory of the AND. Development of a method for the production of this drug was given a high priority by the organization, even though the work was not fundamental research.			
s. Seventy-five kilograms of folia consistency and mixed by hand wil mixing was continued further in a particle size equal to "Sieve flab." b. Forty-five kilograms of water and added to the salt-crude drug mix homogenous mixture. The addition carried out in a room with excell valued considerable amounts of the tather than oat hulls to prevent process described in the next op	5. In the process employed, the raw drug was treated as follows: a. Seventy-five kilograms of folia ligitalis lanata were milled to a coarse consistency and mixed by hand with 18.75 kilograms of sodium chloride. The mixing was continued further in a mixing machine producing a powder with particle size equal to "Sieve fl." b. Forty-five kilograms of water and 37.5 kilograms of chopped atraw were added to the salt-crude drug mixture. Care had to be taken to insure a homogenous mixture. The addition of the water and chopped straw was carried out in a room with excellent ventilation fans as the procedure valued considerable amounts of the material in dust form. Siraw was used mather than out hulls to prevent the loss of chloroform after the extraction process described in the next operation.			
chloroform were poured over it s The material was allowed to stan was added after the first and se ated. After the third day the c	c. The mixture was placed in a 1000-liter vessel and 600-700 kilograms of chloroform were poured over it so that the mixture was completely covered. The material was allowed to stand for three days in a cold room. Chloroform was added after the first and second day to replace that which had evaporated. After the third day the chloroform was removed by filtration. The vessel was filled with 300-400 kilograms of fresh chloroform and the mixture was allowed to stand for another two days.			
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Approved For Release 2003/11/21 : CIA-RD 25X1	P80-00810A002700500006-1
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- do the chloroform extract was distilled off under vacuum at a temperature not exceeding 10°C. The realitie, a dark green oilly material, was treated with 8-10 kilograms of absolute other, prepared by drying the other ever calcins chloride and sodius wire. The addition of other usually produced a light green, powdery precipitate which was carefully washed will other. Ether was added gradually until the product was sufficiently postary to permit filtration. After filtration the product was dried in a vacuum desiccator. During this procedure care had to be taken to avoid poissaing from the dried powder in dust form. The yield obtained was about 250 grams of Planlanut—material with an approximate content of 20 percent total glycosides. They and chloroform used in the process were recovered by redistillation.
- e. The crude glycoside mixture was further partition to obtain a Canlacatimaterial with 30 percent total glycosides. This higher percentage of
 purity was decirable because the approficitly of the Conlacati depended
 not only on the glycosides but also on the con-glycoside content since
 both fractions had physiological activity. Further partification was
 carried out by several precipitations of the material from chloreform
 solution by the addition of other, and with eluminar-avalgan. The helpet
 Test was used to control the purity of the properation. The test consists
 of the treatment of the digitalia, throwides with alkaline pionic acid.
 This produces a color effect which conforms to the Georg-Lambout Leve.

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